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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/963,466      | 09/27/2001  | Tsutomu Tamaki       | 030675-063          | 9568             |

7590 08/17/2004

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EXAMINER

LEE, BENNY T

ART UNIT PAPER NUMBER

2817

DATE MAILED: 08/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE  
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☐ This application has been examined ☒ Responsive to communication filed on 28 May 2004 ☐ This action is made final.

A shortened statutory period for response to this action is set to expire Two (2) month(s),        days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited by Examiner, PTO-892.        | 2. <input type="checkbox"/> Notice re Patent Drawing, PTO-948.                  |
| 3. <input checked="" type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449.  | 4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152 |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474. | 6. <input type="checkbox"/> _____   |

Part II SUMMARY OF ACTION

1. ☒ Claims 1-18 are pending in the application.  
Of the above, claims 3, 6-14 are withdrawn from consideration.
2. ☐ Claims \_\_\_\_\_ have been cancelled.
3. ☒ Claims 1, 2, 4, 5, 15-17, 18 are allowed.
4. ☐ Claims \_\_\_\_\_ are rejected.
5. ☐ Claims \_\_\_\_\_ are objected to.
6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.
7. ☐ This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.
8. ☐ Formal drawings are required in response to this Office action.
9. ☐ The corrected or substitute drawings have been received on \_\_\_\_\_ Under 37 C.F.R. 1.84 these drawings are ☐ acceptable; ☐ not acceptable (see explanation or Notice re Patent Drawing, PTO-948).
10. ☐ The proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_, has (have) been ☐ approved by the examiner; ☐ disapproved by the examiner (see explanation).
11. ☐ The proposed drawing correction, filed \_\_\_\_\_, has been ☐ approved; ☐ disapproved (see explanation).
12. ☐ Acknowledgement is made of the claim for priority under U.S.C. 119. The certified copy has ☐ been received ☐ not been received ☐ been filed in parent application, serial no. \_\_\_\_\_, filed on \_\_\_\_\_.
13. ☒ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other \_\_\_\_\_

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This application is in condition for allowance except for the following formal matters:

**Withdrawn Claims:**

In view of the indicated allowability of elected independent claim 1, the following action regarding the withdrawn claims has been taken:

Withdrawn claims 4, 5 have been rejoined with allowable elected claim 1 since they can properly depend from claim 1, as amended, and are also allowable in view of their dependency from allowed independent claim 1.

However, claims 3, 6-14 remain withdrawn since these claims correspond to embodiments which can not properly depend from claim 1, as amended. That is to say, amended claim 1 now requires "conductive joint members" which are of "a rectangular shape" and thus excludes embodiments of the invention not having rectangular shape conductive joint members. Note that the embodiments encompass by claims 3, 6-14 all disclose "conductive joint members" which are "balled shape", "barrel shape" or "cylindrical" and thus can not properly depend from "conductive joint members" which are of "rectangular shape".

Accordingly, claims 3, 6-14 remain withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 27 March 2003.

Since this application is in condition for allowance except for the presence of withdrawn claims 3, 6-14, claims 3, 6-14 should now be cancelled.

**In the Claims:**

In claim 1, lines 5, 6, note that --respective-- should precede each occurrence of "contact" for a proper characterization; lines 6, 7, note that --corresponding-- should precede

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each occurrence of "waveguide" for a proper characterization; line 11, note that --at least one-- should follow "said" for consistency with the earlier recitation thereof.

In claim 1, line 12 and claim 18, last line, note that "forming in" should be deleted as being unnecessary.

In claim 2, note that the phrase --said at least one electrically conductive joint member comprises-- should follow "wherein" for consistency of description and --which-- should precede "are" for clarity of description.

In claim 5, line 2, note that --plurality of-- should follow "said" for consistency of description.

In claims 15, 16, 17, line 2 of each claim, note that --at least one-- should follow "said" for consistency of description with the earlier recitation thereof.

In claim 15, line 2, note that "formed" should be rewritten as --comprised-- for a proper characterization.


Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Claims 1, 2, 4, 5, 15-17; 18 are allowable over the prior art of record.

Any inquiry concerning this communication should be directed to Benny Lee at telephone number 571 272 1764.

B. Lee

  
BENNY T. LEE  
PRIMARY EXAMINER  
ART UNIT 2817